

## Claims

1. A hotmelt adhesive containing between 0.1 and 100% by weight of polyolefin waxes prepared using metallocene catalysts and having a dropping point or ring & ball softening point of between 80 and 165°C and a melt viscosity, measured at a temperature 10°C above the dropping or softening point, of not more than 40 000 mPa.s.
- 10 2. A hotmelt adhesive as claimed in claim 1 wherein the polyolefin waxes have a dropping point or ring & ball softening point of between 90 and 160°C and a melt viscosity, measured at a temperature 10°C above the dropping or softening point, of not more than 30 000 mPa.s.
- 15 3. A hotmelt adhesive as claimed in claim 1 or 2, wherein the polyolefin waxes have a weight-average molar mass  $M_w$  between 1000 and 30 000 g/mol and a number-average molar mass  $M_n$  of between 500 and 20 000 g/mol.
- 20 4. A hotmelt adhesive as claimed in one or more of claims 1 to 3, comprising as polyolefin waxes copolymer waxes of propylene and from 0.1 to 30% by weight of ethylene and/or from 0.1 to 50% by weight of at least one branched or unbranched 1-alkene having 4 to 20 carbon atoms, and having a melt viscosity, measured at a temperature 10°C above the dropping or softening point, of between 100 and 30 000 mPa.s.
- 25 5. A hotmelt adhesive as claimed in one or more of claims 1 to 3, comprising as polyolefin waxes propylene homopolymer waxes having a melt viscosity, measured at a temperature 10°C above the dropping or softening point, of between 100 and 30 000 mPa.s.
- 30 6. A hotmelt adhesive as claimed in one or more of claims 1 to 3, comprising as polyolefin waxes ethylene homopolymer waxes.
7. A hotmelt adhesive as claimed in one or more of claims 1 to 3, comprising as

polyolefin waxes copolymer waxes of ethylene and from 0.1 to 30% by weight of at least one branched or unbranched 1-alkene having 3 to 20 carbon atoms.

8. A hotmelt adhesive as claimed in one or more of claims 1 to 7, wherein the  
5 olefin homopolymer and copolymer waxes used have undergone polar modification.

9. A hotmelt adhesive as claimed in one or more of claims 1 to 8, further comprising fillers or auxiliaries such as plasticizers, pigments and antioxidants.